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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/369,790	08/06/1999	JETHRO F. STEINMAN	120-25410	7258

128   7590   10/09/2002

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EXAMINER
TRUONG, LECHI

ART UNIT	PAPER NUMBER
2126	

DATE MAILED: 10/09/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

Office Action Summary	Application No.	Applicant(s)
	09/369,790	STEINMAN ET AL.
	Examiner	Art Unit
	LeChi Truong	2151

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>06 August 1999</u> .

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-37</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-37</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____ .

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ⱻ.2⤪

4)☐ Interview Summary (PTO-413) Paper No(s). _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____ .

DETAILED ACTION

Claim Rejections - 35 USC § 103

1.   Claims 1, 3-7, 10, 12-16, 19-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cowsar (U.S Patent 5,615,400)

As to claim 1, Cowsar teaches dynamically linkable (dynamically linked, col 2, ln 30-48), a interface (a function set, col 3, ln 6-25), interface identifier (function set ID, col 3, ln 6-25, interface ID, col 60, ln 5-48), a interface verifier (a lookup engine, col 3, ln 13-28), a compatibility (look up a set record for responsive to the particular function set, col 3, ln 13-28, review to determine, col 11, ln 32-45).

Regarding the term "check code genetator ", Cowser does not explicitly use that term. However, Cowsar teaches check code generator (declaration defines, col 60, ln 2-48). Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teaching of Cowsar because it would create the interface ID for dynamically linkable component.

As to claim 3, Cowsar teaches dynamically linkable (dynamically linked, col 2, ln 30-48), interface identifier (function set ID, col 3, ln 6-25, interface ID, col 60, ln 5-48), declaration file (this declaration defines the ID of the library, col 57, ln 45-51).

Regarding the term "check code genetator ", Cowser does not explicitly use that term. However, Cowsar teaches check code generator (declaration defines, col 60, ln 2-48). Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teaching of Cowsar because it would create the interface ID for dynamically linkable component.

As to claim 4, Cowsar teaches interface identifier varies as a function (function set ID, col 3, ln 6-25, interface ID, col 60, ln 5-48), a version (a resource set catalog, col 3, ln 5-11).

As to claim 5, Cowsar teaches an interface verifier (a lookup engine, col 3, ln 13-28), a compatibility (look up a set record for responsive to the particular function set, col 3, ln 13-28, review to determine, col 11, ln 32-32-45), a second dynamically linkable component (the second level dispatch routine, col 8, ln 21-31, Fig 5A, 92).

As to claim 6, Cowsar teaches interface verifier (look up function, col 8, ln 26-31, Fig 5A, 109).

As to claim 7, Cowsar teaches interface verifier (function set ID, col 3, ln 13-32), a compatibility (look up a set record for responsive to the particular function set, col 3, ln 13-28, review to determine, col 11, ln 32-45), dynamically linkable (dynamically linked, col 2, ln 30-48), a history list (TClass record, col 11, ln 32-45).

As to claim 10, Cowser teaches transforming (declaration defines, col 60, ln 2-48), dynamically linkable (dynamically linked, col 2, ln 30-48), a interface (a function set, col 3, ln 6-25), interface identifier (function set ID, col 3, ln 6-25, interface ID, col 60, ln 5-48), a interface verifier (a lookup engine, col 3, ln 13-28), a compatibility (look up a set record for responsive to the particular function set, col 3, ln 13-28, review to determine, col 11, ln 32-45).

As to claim 12, Cowsar teaches interface identifier (function set ID, col 3, ln 6-25, interface ID, col 60, ln 5-48), declaration file (this declaration defines the ID of the library, col 57, ln 45-51).

As to claim 13, see the rejection of claim 4.

As to claim 14, see the rejection of claim 5.

As to claim 15, see the rejection of claim 6.

As to claim 16, Cowsar teaches interface identifier (function set ID, col 3, ln 13-32), a history list (TClass record, col 11, ln 32-45).

As to claim 19, see the rejection of claim 10.

As to claim 20, see the rejection of claim 12.

As to claim 21, see the rejection of claim 13.

As to claim 22, refer to the rejection of claim 14. Further, Cowsar teaches interface verifier (a lookup engine, col 3, ln 13-28).

As to claim 23, see the rejection of claim 15.

As to claim 24, see the rejection of claim 24.

As to claim 25, Cowsar teaches (dynamically linkable (dynamically linked, col 2, ln 30-48), interface identifier (function set ID, col 3, ln 6-25, interface ID, col 60, ln 5-48), a compatibility (look up a set record for responsive to the particular function set, col 3, ln 13-28, review to determine, col 11, ln 32-45).

As to claim 26, see the rejection of claim 20.

As to claim 27, see the rejection of claim 21.

As to claim 28, see the rejection of claim 5.

As to claim 29, see the rejection of claim 6.

As to claim 30, see the rejection of claim 16.

As to a real-time process control system of claim 31, Cowser teaches a plurality of sensors and control devices (pluralily of registers, col 6, ln 20-24), at least first and second

dynamically linkable component (the first level dispatch routine, col 6, ln 45-50), An interface

identifier (Viable record, col 6, ln 45-55), a interface verifier (lookup function, col 6, ln 45-55),

second dynamically linkable components (the second level dispatch routine, col 6, ln 45-55).

As to the real –time process control system of claim 33, see the rejection of claim 12

As to claim the real-time process control system 34, Cowser teaches interface identifier

varies as a function (function set ID, col 3, ln 38-50), first dynamically linkable component (first

level dispatch segment, col 3, ln 38-50).

As to the real –time process control system of claim 35, Cowser teaches interface verifier,

(lookup function, col 6, ln 42-55), second dynamically linkable component (the second level

dispatch routine, col 6, ln 42-45).

As to the real-time process control system of claim 46, see the rejection of 9. Further,

Cowser teaches second dynamically linkable component(the second level dispatch routine, col

6, ln 42-45).

2.   Claims 8, 17, 37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cowsar

(U.S Patent 5,615,400) in view of Joeressen et al (U.S Patent 6,212,660 B1).

As to claim 8, Cowsar teaches in interface verifier (function set ID, col 3, ln 13-32).

Cowsar does not teach a check sum, a cyclic redundancy check. However, Joeressen

teaches a check sum (check sum, col 1, ln 51-65), a cyclic redundancy check (CRC, col 3,ln 33-

36) for a dynamically linkable component.

It would have been obvious to one of ordinary skill in the art at the time the invention

was made to improve upon the system taught by Cowsar by implementing the improvements

detailed above because it would provide the system taught by Cowsar with the enhanced

capability of identifying a packed position (Joeressen et al (U.S Paternt 6,212,660 B1) .

As to the method of claim 17, see the rejection of claim 8.

As to the real-time process control system of claim 37, see the rejection of claim 8.

3.   Claims 2,9,11, 18, 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Cowsar (U.S Patent 5,615,400) in view of Kawaguchi et al (Character Stiring Retrieving Device

Equipped With Concatenated Filtering Circuit).

As to claim 2, Cowsar teaches an interface (a function set, col 3, ln 6-25), dynamically

linkable (dynamically linked, col 2, ln 30-48), interface identifier (function set ID, col 3, ln 6-25,

interface ID, col 60, ln 5-48), Cowsar does not teach a textual ... a portion. However, Kawaguchi

teaches (a text) for a dynamically linkable component.

It would have been obvious to one of ordinary skill in the art at the time the invention

was made to improve upon the system taught by Cowsar by implementing the improvements

detailed above because it would provide the system taught by Cowsar with the enhanced

capability of retrieving the character string and checking whether or not plural retrieval terms are

present in the character string (of Kawaguchi et al (Character Stiring Retrieving Device

Equipped With Concatenated Filtering Circuit).

Regarding the term "check code genetator ", Cowser does not explicitly use that term.

However, Coward teaches check code generator (declaration defines, col 60, ln 2-48).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the

invention was made to modify the teaching of Cowsar because it would create the interface ID

for dynamically linkable component

As to claim 9, regarding the term "check code genetator ", Cowser does not explicitly use

that term. However, Cowsar teaches check code generator (declaration defines, col 60, ln 2-48).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the

invention was made to modify the teaching of Cowsar because it would create the interface ID

for dynamically linkable component

Cowsar teaches does not teach filtering directives to include an exclude portion.

However, Kawaguchi teaches (a text, a filtering) for a dynamically linkable component.

It would have been obvious to one of ordinary skill in the art at the time the invention

was made to improve upon the system taught by Cowsar by implementing the improvements

detailed above because it would provide the system taught by Cowsar by retrieving the character

string and checking whether or not plural retrieval terms are present in the character string(of

Kawaguchi et al (Character Stiring Retrieving Device Equipped With Concatenated Filtering

Circuit).

As to claim 11, Cowsar teaches transforming (declaration defines, col 60, ln 2-48).

Cowsar does not teach a textual ... a portion. However, Kawaguchi teaches (a text) for a

dynamically linkable component.

It would have been obvious to one of ordinary skill in the art at the time the invention

was made to improve upon the system taught by Cowsar by implementing the improvements

detailed above because it would provide the system taught by Cowsar with the enhanced

capability of retrieving the character string and checking whether or not plural retrieval terms are

present in the character string (of Kawaguchi et al (Character Stiring Retrieving Device

Equipped With Concatenated Filtering Circuit).

As to the method of claim 18, Cowsar teaches transforming (declaration defines, col 60,

ln 2-48), Cowsar teaches   does not teach filtering directives to include an exclude portion.

However, Kawaguchi teaches (a text, a filtering) for a dynamically linkable component.

It would have been obvious to one of ordinary skill in the art at the time the invention

was made to improve upon the system taught by Cowsar by implementing the improvements

detailed above because it would provide the system taught by Cowsar with the enhanced

capability of retrieving the character string and checking whether or not plural retrieval terms are

present in the character string (of Kawaguchi et al (Character Stiring Retrieving Device

Equipped With Concatenated Filtering Circuit).

As to the real-time process control system of claim 32, interface identifier (function set

ID, col 3, ln 6-25, interface ID, col 60, ln 5-48), Cowsar does not teach a textual ... a portion.

However, Kawaguchi teaches (a text) for a dynamically linkable component.

It would have been obvious to one of ordinary skill in the art at the time the invention

was made to improve upon the system taught by Cowsar by implementing the improvements

detailed above because it would provide the system taught by Cowsar with the enhanced

capability of retrieving the character string and checking whether or not plural retrieval terms are

present in the character string (of Kawaguchi et al (Character Stiring Retrieving Device
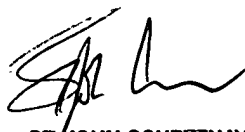
Equipped With Concatenated Filtering Circuit).

4.   ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (703) 305 5312. The examiner can normally be reached on 8 - 5.

Fax phone: AFTER_FINAL faxes must be signed and sent to: (703) 746-2738, OFFICAL faxes must be signed and send to: (703) 746-7239, NON OFFICIAL faxes should not be signed, please send to: (703) 746-7240.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 305 9000.

LeChi Truong
October 7, 2002

ST. JOHN COURTENAY III
PRIMARY EXAMINER